

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 07-116020
(43)Date of publication of application : 09.05.1995

(51)Int. Cl. A46B 13/02
A61C 17/22
A61C 17/00

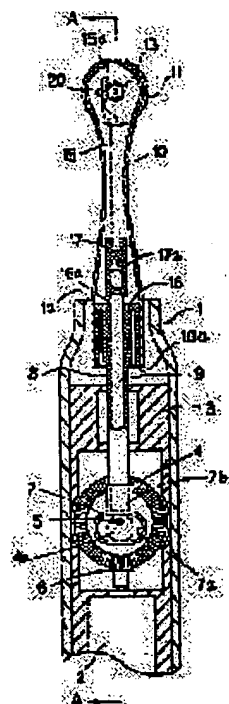
(21)Application number : 05-188251 (71)Applicant : SEIKOSHA CO LTD
(22)Date of filing : 29.07.1993 (72)Inventor : AMAKASU MIKIO

(54) MOTOR-DRIVEN TOOTHBRUSH

(57)Abstract:

PURPOSE: To provide a motor-driven toothbrush capable of rotating a rotary brush body surely without disengagement between a rack and a pinion.

CONSTITUTION: A rotary brush 11 is arranged to rotate freely at the tip of an attachment 10 connected to a drive shaft 8. An extension bar 15 relatively movable with respect to the attachment 10 while it is put inside the attachment 10 and connected to a fixed shaft 9 in a case 1 when the attachment 10 is connected to the drive shaft 8. A pinion 13 is arranged at the rotary shaft of a rotary brush body 11 while a rack 15a is formed. At the rear side restriction means 20 for preventing the rack 15a from being displaced to the opposite side to the pinion 13.



LEGAL STATUS

[Date of request for examination] 05.07.1995

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number] 2719556

[Date of registration] 21.11.1997

[Number of appeal against examiner's



(19)

(11) Publication number:

0'

Generated Document.

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| <p>(30) Priority:</p> <p>(43) Date of application publication: 09.05.95</p> <p>(84) Designated contracting states:</p> | <p>(71) Applicant: SEIKOSHA CO LTD</p> <p>(72) Inventor: AMAKASU MIKIO</p> <p>(74) Representative:</p> |
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